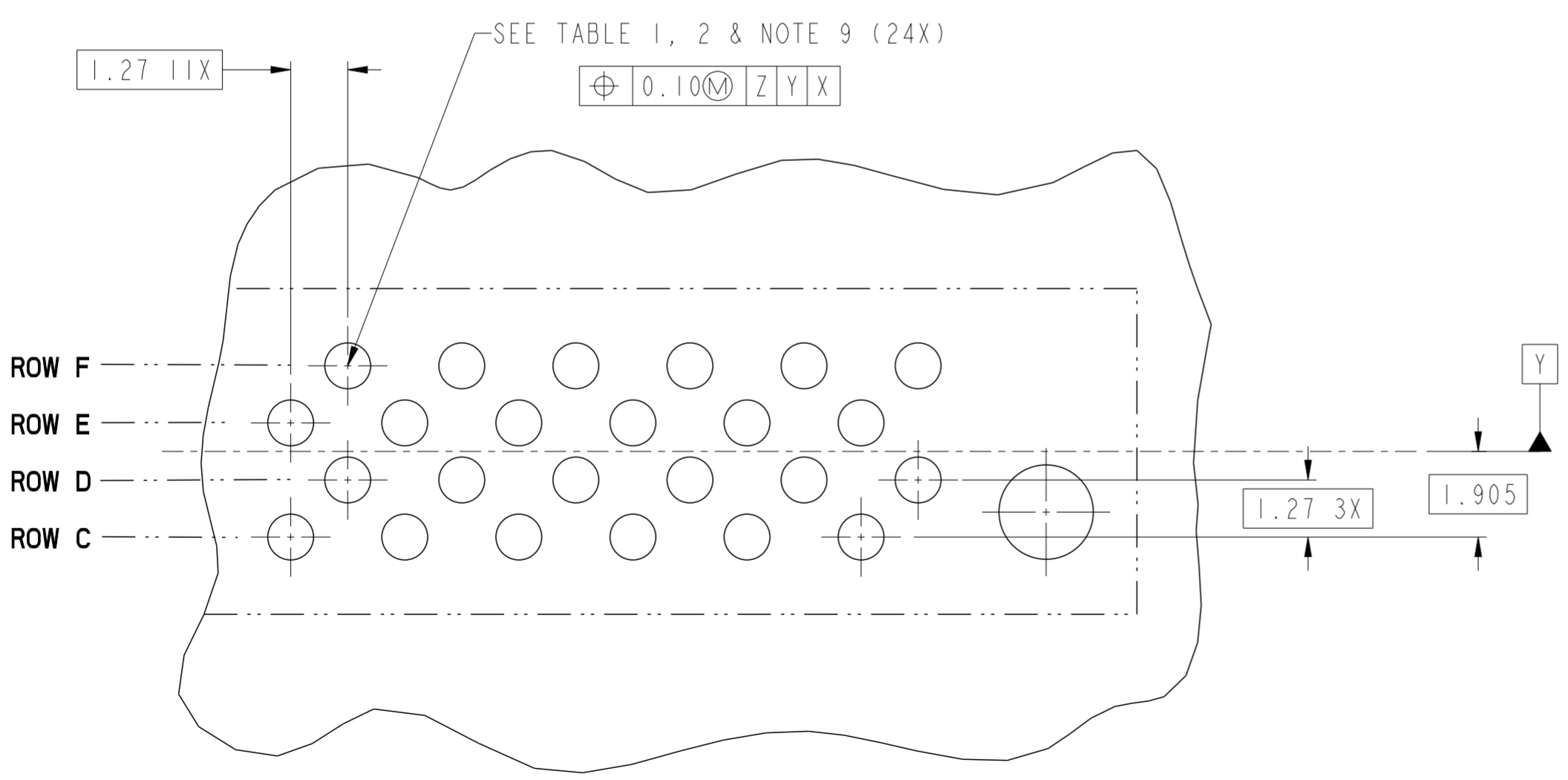
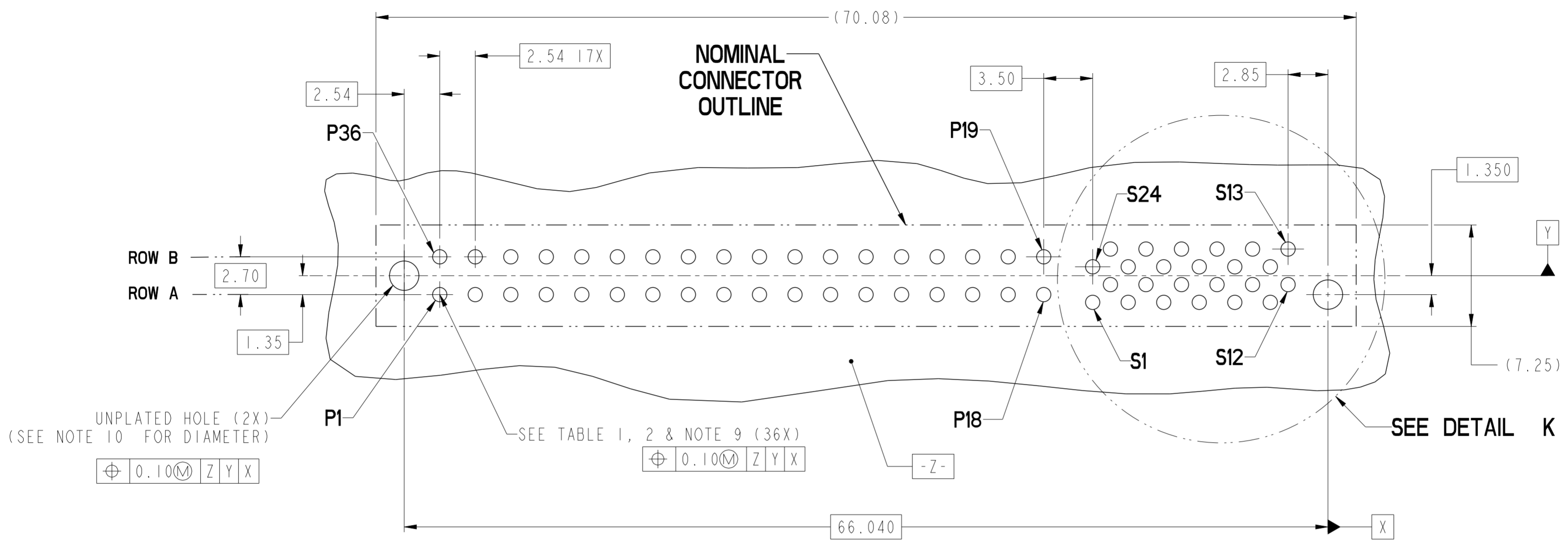


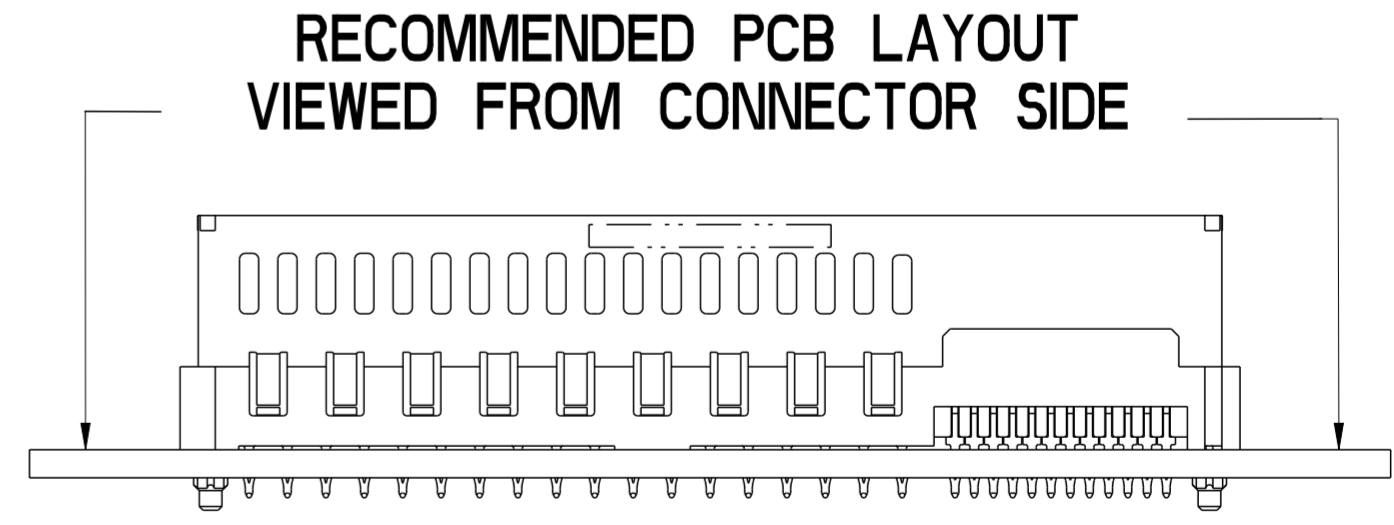
SECTION C-C

SECTION D-D

spec ref	-	dr	Tim Houtz	2010/04/08	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5	eng	Feng Zheng	2016/12/22			ecn no	ELX-DG-25730-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/12/23			product family	CARD EDGE		rel level	Released
surface	linear	0.X	±0.3		<b>Amphenol FCI</b>		cat. no.	VERT RECT (36P 24S)	Product - Customer Drw	sheet 1 of 4	
ASME Y14.5	angular	0°	±2°		www.fci.com	title	HIGH POWER CARD EDGE	cat. no.			10114587
	angular	0°	±2°		www.fci.com	appr	Pai-Ming Zheng	2016/12/23			rel level



**DETAIL K**  
SCALE 8:1

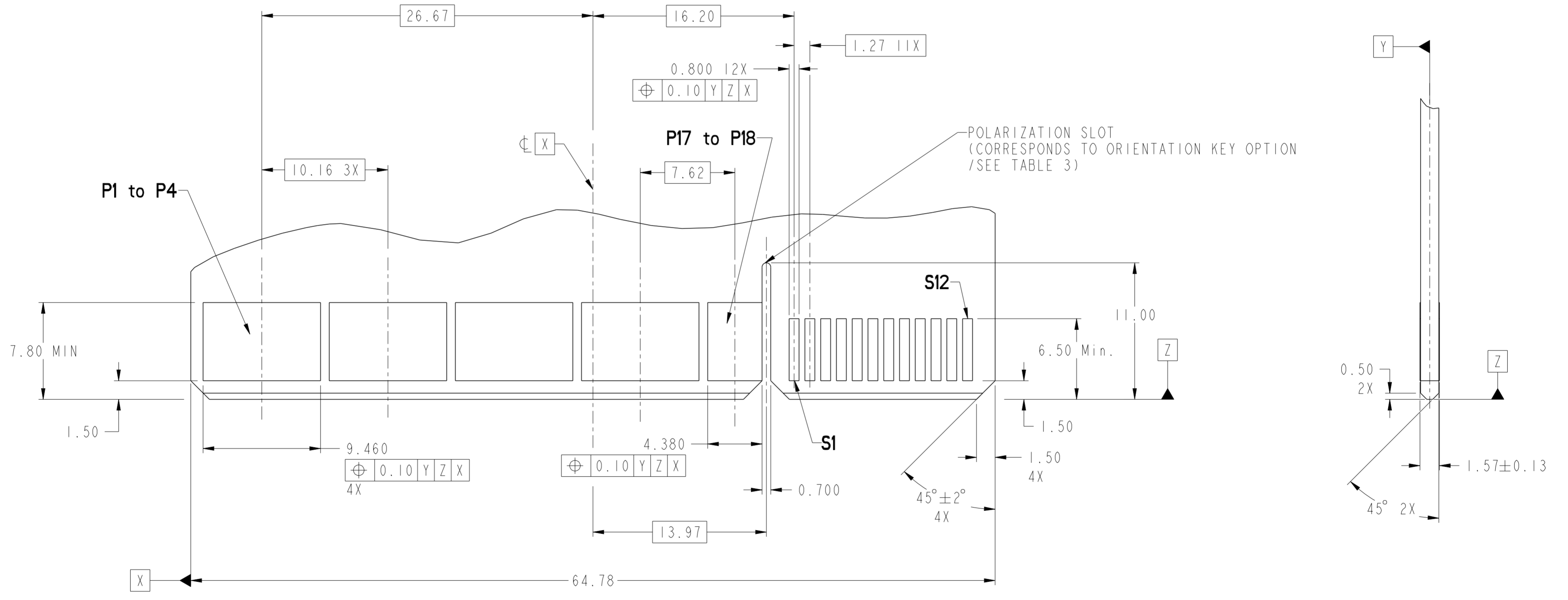


spec ref	-	dr	Tim Houtz	2010/04/08	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Feng Zheng	2016/12/22			ecn no	ELX-DG-25730-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/12/23				rel level	Released	
surface	-	appr	Pai-Ming Zheng	2016/12/23	product family	CARD EDGE	rel level	Released		
linear	0.X ±0.3 0.XX ±0.1 0.XXX ±0.05	Amphenol FCI	VERT RECT (36P 24S) HIGH POWER CARD EDGE		cat. no.	10114587		rev	C	
angular	0° ±2°	www.fci.com	Product - Customer Drw		sheet 2 of 4					

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



RECOMMENDED MATING BOARD FOOTPRINT

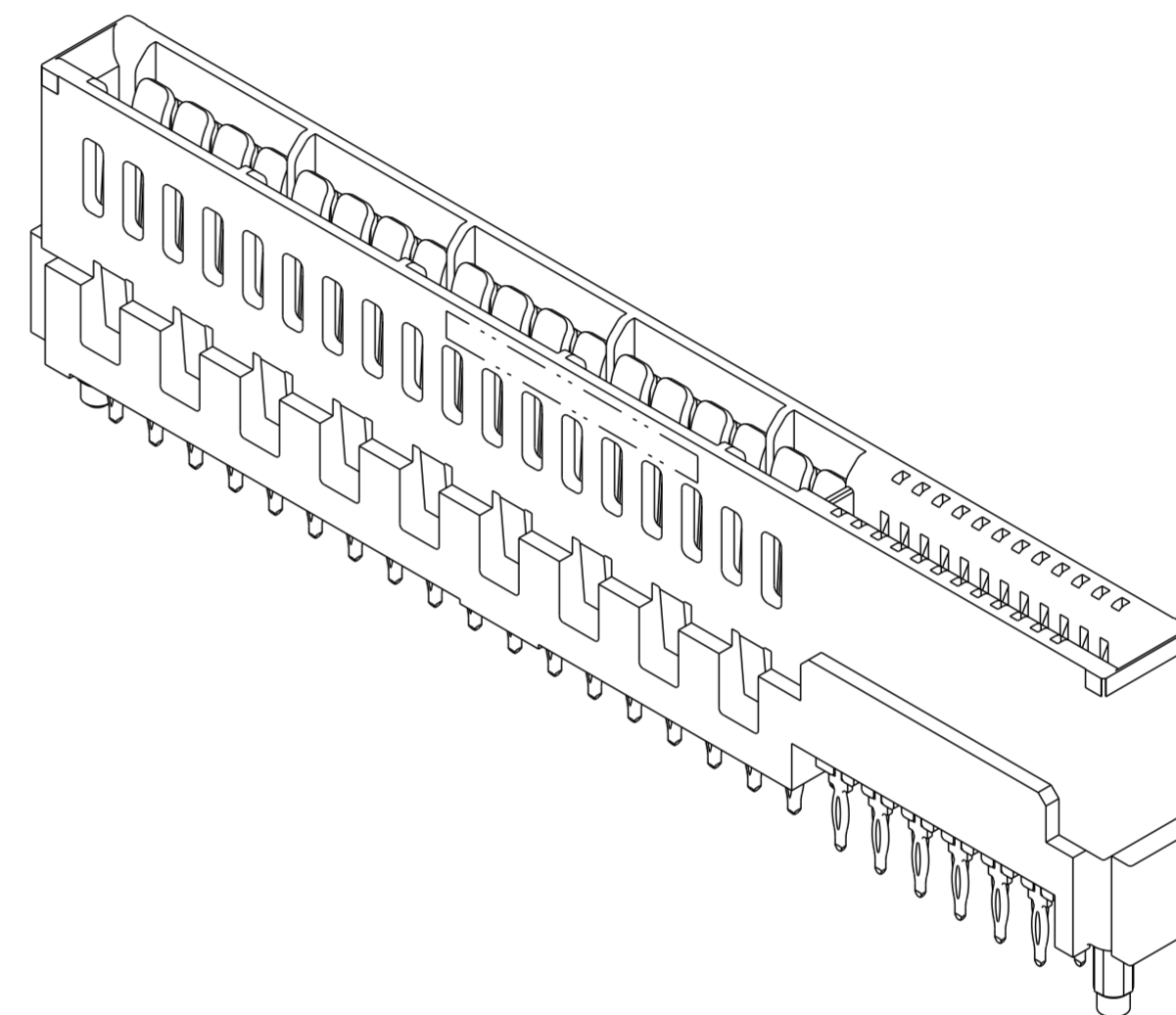
dr	Tim Houtz	2010/04/08	projection	MM	size	A2	scale	4:1
eng	Feng Zheng	2016/12/22			ecn no.	ELX-DG-25730-1	rel level	Released
chr	Terris Liu	2016/12/23			product family	CARD EDGE		
appr	Pei-Ming Zheng	2016/12/23	Amphenol FCI		title	VERT RECT (36P 24S)		rev
www.fci.com			cat. no.		HIGH POWER CARD EDGE		dwg no.	10114587
PDS: Rev :C			STATUS:Released		Product - Customer Drw		sheet 3 of 4	
Printed: Dec 23, 2016								

Amphenol FCI

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HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" TYPICAL TAIL LENGTH	DIM "C" RECOMMENDED BOARD THICKNESS
10114587-001LF	SOLDER	YES	3.17 ±0.25	3.17 ±0.25	1.59 - 2.38
10114587-002LF	SOLDER	NO			
10114587-003	PRESS-FIT	YES	3.17 ±0.25	3.17 ±0.25	1.57 MIN
10114587-003LF	PRESS-FIT	YES			
10114587-004	PRESS-FIT	NO			
10114587-004LF	PRESS-FIT	NO	4.05 ±0.25	3.75 ±0.25	3.20±0.18
10114587-005LF	SOLDER	YES			
10114587-006LF	SOLDER	NO			



NOTES:

1. CONNECTOR MATERIALS:  
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK  
 UL 94V-0 COMPLIANT  
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.
3. PRODUCT SPECIFICATION: GS-12-604.
4. APPLICATION SPECIFICATION: GS-20-128.
5. PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
10. MOUNTING HOLES ARE UNPLATED  
 Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS  
 Ø 2.10 +/- 0.1 FOR SOLDER TAILS
11. A△SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

dr	Tim Houtz	2010/04/08	projection	MM	size	A2	scale	4:1	
eng	Feng Zheng	2016/12/22			ecn no	ELX-DG-25730-1			
chr	Terris Liu	2016/12/23			product family	CARD EDGE	rel level	Released	
appr	Pai-Ming Zheng	2016/12/23	Amphenol FCI VERT RECT (36P 24S) HIGH POWER CARD EDGE		cat. no.	10114587		rev	C
www.fci.com			Product - Customer Drw			sheet 4 of 4			